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QUALITY ASSURANCE PROGRAM DNA TYPING OF BIOLOGICAL MATERIALS - FORENSIC BIOLOGY SECTION PROCEDURE MANUAL, SECTION VI	Issue No.: 3
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APPENDIX J: 9700 THERMAL CYCLER QUALITY CONTROL WORKSHEETS

QUALITY ASSURANCE/QUALITY CONTROL WORKSHEET
DIVISION OF FORENSIC SCIENCE
THERMAL CYCLER 9700 DIAGNOSTIC TESTS

Instrument Name: _____

ANALYST _____ DATE _____

A. **Calibration Verification:** Setpoint Value (Well A6) 85°C _____ 45°C _____

PASSED _____ FAILED _____

B. **Temperature Non-Uniformity:**

Setpoint	94°C	37°C
A1		
A12		
C4		
C9		
F4		
F9		
H1		
H12		

TNU at 94°C _____ TNU at 37°C _____

PASSED _____ FAILED _____

C. **System Performance Diagnostics:** Rate and Cycle test

1. Cool and Heat Rate Test

Heating rate: _____ °C/s

Cooling rate: _____ °C/s

PASSED _____ FAILED _____

2. Cycle Performance

Average Cycle Time: _____ sec

Cycle Time STD: _____ sec

PASSED _____ FAILED _____

◆END